STATUS OF THE CLAIMS

Claims 1-13 and 17-24 are examined in the present office action. Claims 14-16 are canceled. Claims 19-24 are new.

1. (Currently Amended) A method for resolving ambiguity between names and entities through ~~use~~ generation of an information architecture comprising the steps of:

    a) providing:

        i) an electronically accessible network,

        ii) a processor configured to provide service software, and

        iii) a plurality of names for a given entity;

    b) identifying an ambiguity within said plurality of names for said given entity;

    ~~b)~~ c) assigning at least one persistent, uniquely identified, addressable information object to each of said names;

    ~~c)~~ d) storing said at least one information object associated with each name in ~~an~~ said electronically accessible network to generate an information ~~structure~~ architecture; and

    e) accessing said information architecture stored in said electronically accessible network via the service software of said processor.

2. (Original) The method of claim 1, wherein said names comprise biological names.

3. (Original) The method of claim 2, wherein said biological names comprise taxonomic names.

4. (Original) The method of claim 2, wherein said biological names comprise molecule names.

5. (Original) The method of claim 4, wherein said molecule names are selected from the group consisting of gene names and protein names.

6. (Original) The method of claim 2, wherein said biological names comprise cell names.

7. (Original) The method of claim 1, wherein a content identifier is used to address said information object.

8. (Currently Amended) The method of claim ~~1~~ 7, wherein said content identifier is at least one of a Digital Object Identifier (DOI), a Uniform Resource Identifier (URI) or a Uniform Resource Name (URN), an Archival Resource Key (ARK), a Persistent Uniform Resource Locator (PURL), a Universal Unique Identifier (UUID), ~~and~~ a Life Sciences Identifier (LSID), and a Globally Unique Persistent Identifier (GUID).

9. (Currently Amended) The method of claim ~~7~~ 1, wherein said ~~information architecture is accessible~~ accessing of step e) is done by a third party over an electronic communication network.

10. (Currently Amended) The method of claim ~~9~~ 1, wherein said ~~addressing of said information objects and~~ accessing of step e) ~~said information objects~~ is managed by one or more resolution servers or redirection services.

11. (Currently Amended) The method of claim 7, wherein ~~assignment of~~ said content identifier[s] is managed by a registration agency.

12. (Currently Amended) The method of claim ~~2~~ 1, wherein the content of said information object[s] comprises at least one of metadata, data, and descriptive text, said content representing at least one of a biological Name, Taxon, Nomos, Practitioner, or Exemplar.

13. (Original) The method of claim 12, wherein assignment of said content is based on phylogenetic, phenotypic, genotypic, phenetic, genomic, or polyphasic grouping of Exemplars and/or Taxa.

14-16. (Canceled)

17. (Original) A system comprising a processor and software configured to carry out the method of claim 1.

18. (Currently Amended) A method for providing taxonomic and nomenclatural services, comprising:

  a) providing biological information objects;

  b) creating ~~Digital Object Identifiers~~ persistent identifiers for said information objects;

  c) making said ~~Digital Object Identifiers~~ persistent identifiers accessible in a network; and

  d) routing users and applications, said routing comprising ~~linking to third party resources. via a menu delivered to the user via a global DOI directory whenever the user selects a DOI-based hyperlink, to multiple services related to said biological information objects, said multiple services comprising direct and persistent links to a record of historical and current taxonomic and nomenclatural revisions of said biological information objects.~~ the steps of:

    i) providing a menu of multiple services comprising direct and persistent links to a record of historical and current taxonomic and nomenclatural revisions of said biological information objects;

    ii) delivering said menu of multiple services to said users via a global persistent identifier directory;

    iii) selecting a persistent identifier-based hyperlink from said global persistent identifier directory; and

    iv) linking to third party resources.

19. (New) The method of claim 18, further comprising the step of generating revenue from said link to said third party resources.

20. (New) The method of claim 9, wherein said electronic communication network provides active regions that respond to the behavior of said third party.

21. (New) The method of Claim 9, wherein said electronic communication network provides active regions that offer services to said third party.

22. (New) The method of Claim 9, wherein said electronic communication network provides active regions that route said third party to information resources related to said information objects.

23. (New) The method of claim 22, wherein said third party information resources comprise historical and current taxonomic and nomenclatural revisions of said information objects.

24. (New) The method of Claims 20-22, wherein said active regions generate revenue from said third party.